



***AUTHORING INSTRUCTIONAL MATERIALS (AIM)  
CNET CISO CONFERENCE  
October 26-30, 1998***

***NAWCTSD***



# ***BRIEFING AGENDA***

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- **CURRENT AIM STATUS AND EFFORTS**
- **OVERVIEW OF IETM INTERFACE**
- **AIM USER SURVEY FEEDBACK**



# ***STATUS OF AIM***

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## **UNIX AIM**

- **AIM Release 3.4 distributed to users May 98**
  - **No additional development work would be done on Unix AIM**
- **Year 2K Software Patch to be released Dec 98**
  - **Hardware is site responsibility**

## **AIM I**

- **No Y2K impact to AIM I**
- **AIM I Release 1.2 fielded July 98**
- **AIM I (2.0) Release October 98**
- **ASOM and AHOM I Release scheduled for April 99**
- **AIM I 32 bit Rehost under development**



# ***STATUS OF AIM (cont'd)***

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## **AIM II**

- **No Y2K Impacts for AIM II**
- **AIM II Release 2.0 fielded June 98**
- **AIM II Release 2.1 (ERL Interface) nearly complete**
  - **Testing to be held 2-6 November in Pensacola**
  - **Release scheduled for December 98**
- **AHOM II Release scheduled for December 98**
- **ASOM II Release scheduled for June 99**
- **AIM II 32 Bit Rehost under development**
- **AIM II Aviation Evaluation**
  - **NAMTRAGRU HQ, Det Norfolk, New Bern, Whidbey Island, Lemoore**
  - **FASOPAC, FASOLANT, FASO Det Barbers Point**



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# ***AIM-IETM Interface***

## ***Project Overview***



# ***Goal***

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Maximize the use of available technology to streamline **development, surveillance, and maintenance**, of curricula which contain IETM references

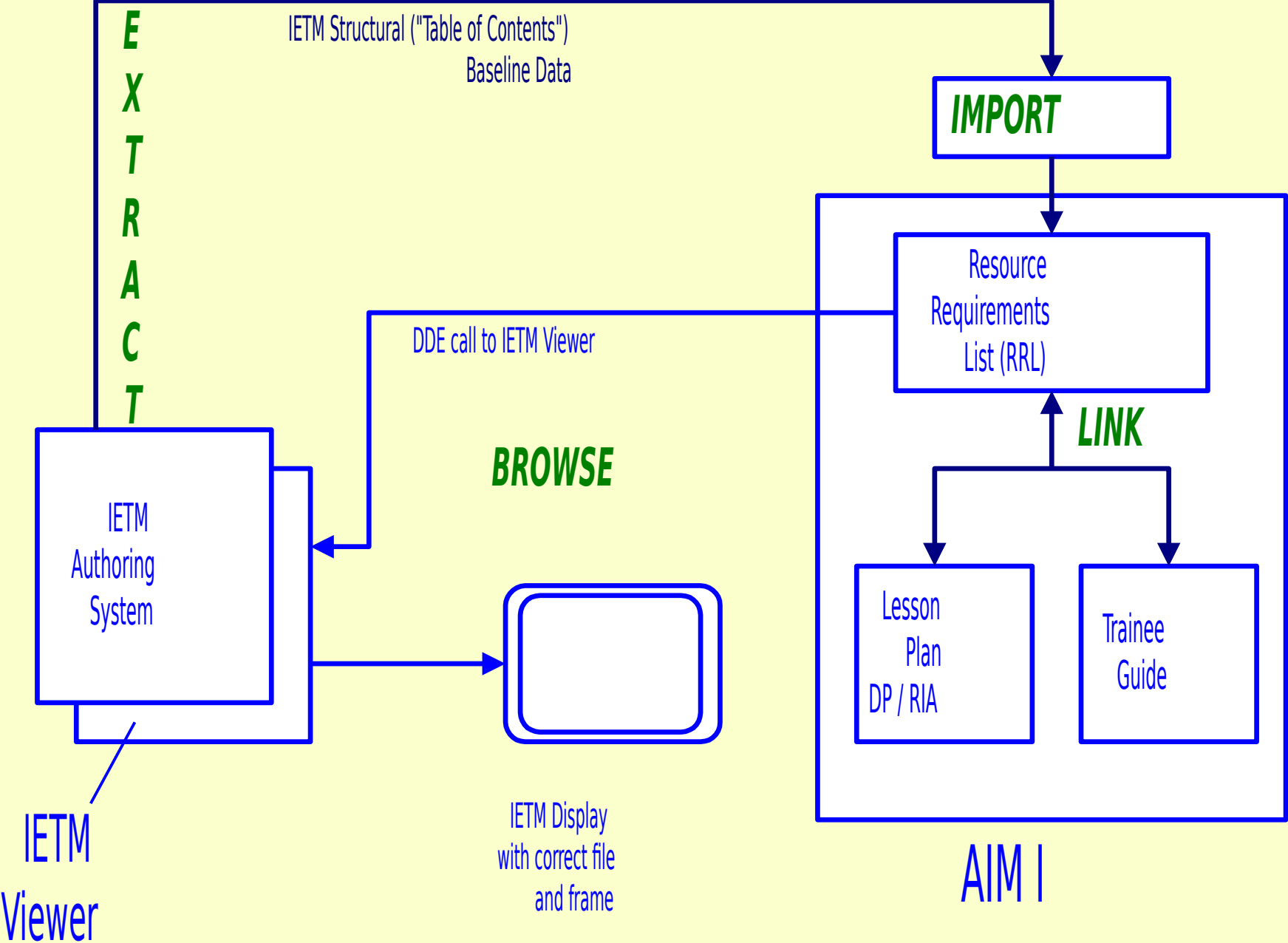


# Process

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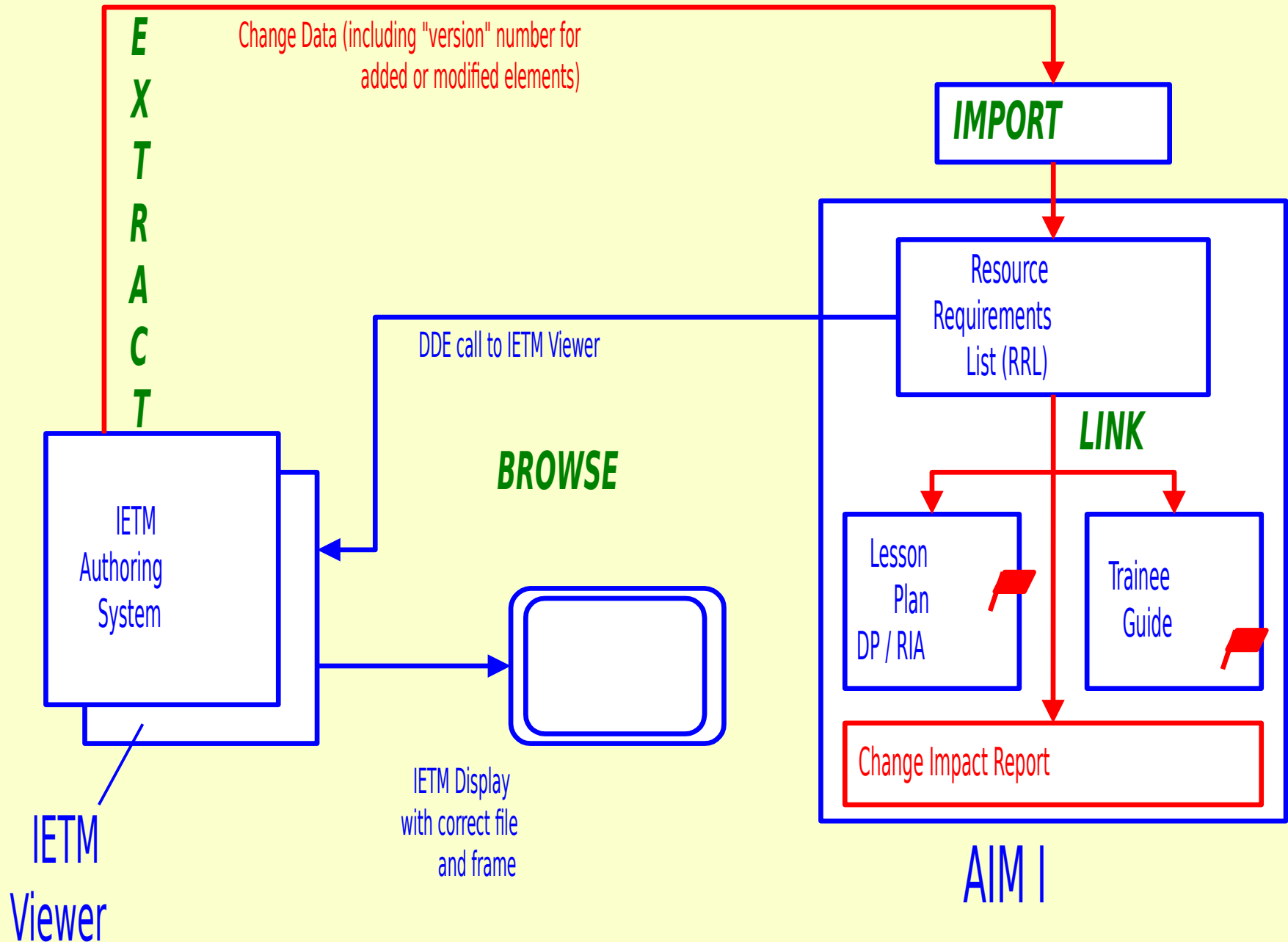
- **EXTRACT** structural data (“table of contents”) from IETM database
- **IMPORT** structural data into AIM I
- **BROWSE** IETM Structure via Site RRL then *launch* IETM viewer to verify applicability of reference
- **LINK** specific RIA or TG Sheet to IETM reference
- Import IETM change data & **conduct surveillance of** curricula using detailed Change Impact Report and auto-generated maintenance flags

# Design Approach (New Development)





# Design Approach (Changes)





# ***Change Impact Report***

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- Hard Copy Change Impact Report for IETM  
“Version 2” identifies:
  - All curriculum elements in which a modified or deleted portion of “Version 1” was referenced:
    - Course Identification Number -->
    - Part / Section / Topic -->
    - specific DP / RIA or Trainee Guide Sheet  
(*searches through entire AIM database*)
  - Any new material added in “Version 2”
- Used to determine need for course change or revision



# ***Input File Requirements***

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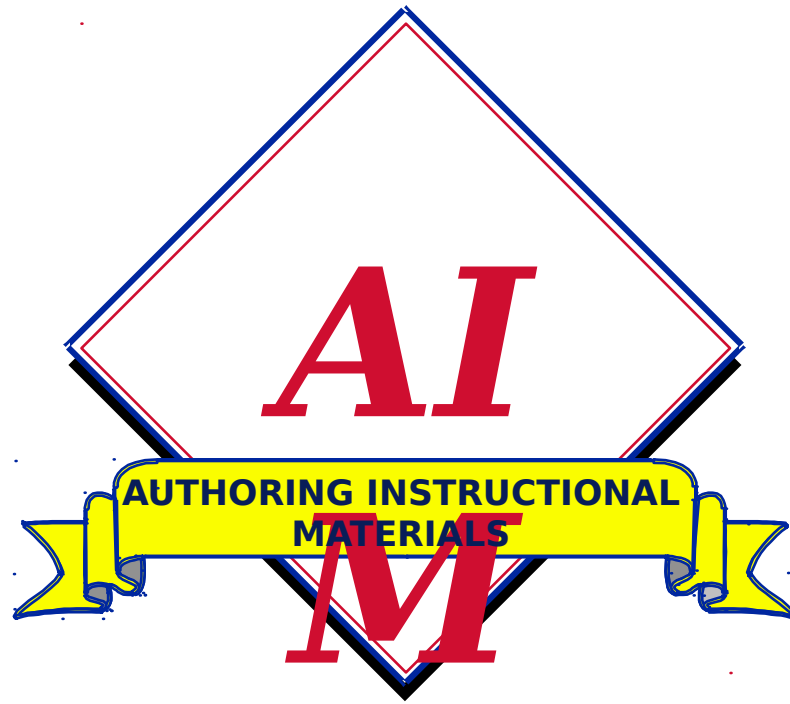
- **Node ID (numeric)**
  - *Must be unique, meaningful, & persistent*
- Parent Node ID (*numeric*)
- Node Name (*240 character alpha-numeric*)
- IETM ID (*50 character alpha-numeric*)
- Node Level (*numeric*)
- Node Sequence Number (*numeric*)
- **Revision Indicator** (*50 character alpha-numeric*)
- Node Type (*numeric*)
- Viewer Info (*240 character alpha-numeric*)



# ***Integration of New IETM***

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- One-time Integration of IETM to Ensure Correct Parsing for SGML & ASCII Interface for Flat Files
- Can be Done by IETM Developer and/or NAWCTSD
- DTD & SGML File(s) for SGML-based
- ASCII Output for Flat File
- May result in minor changes to AIM or to IETM implementation



***AIM***  
***USER SURVEY***



# ***BACKGROUND***

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- User Survey conducted Feb-Apr 98
- 108 activities surveyed, 49 responses
- Results reported at the command user, and contractor levels.



# ***Conclusions***

- **Best liked features**
  - **AIM's structured (step-by-step) development**
  - **automated formatting**
  - **quality of the end products**
  - **basic Windows similarity**
  - **time savings**
  - **linking (connectivity) features**
  - **ease of maintenance**
- **Requested improvements**
  - **Added Development/Software capabilities**
  - **Better way to correct errors during course development**
  - **Better linking, editing, & graphics**
  - **importing and printing /exporting documents to WORD/Word Perfect users**



# ***Conclusions (cont'd)***

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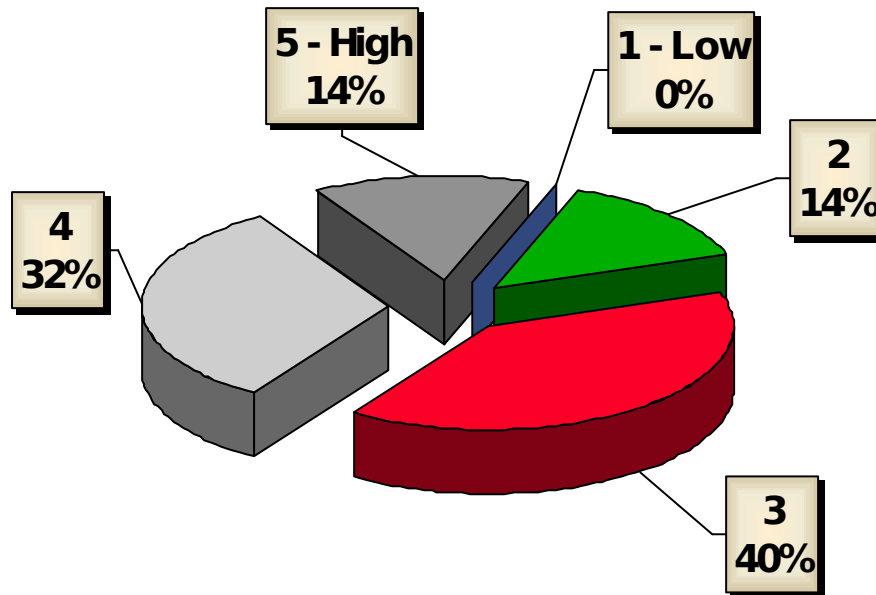
- Development Savings
  - 53% respondents reported AIM saves at least 50% in development time
  - 80% respondents reported AIM saves at least 25% in development time
- Maintenance Savings
  - 54% respondents reported AIM saves at least 50% in maintenance time
  - 83% respondents reported AIM saves at least 25% in maintenance time



***86% percent of the Command respondents and***

***93% of Contractor respondents believe that it is easy to learn to use AIM.***

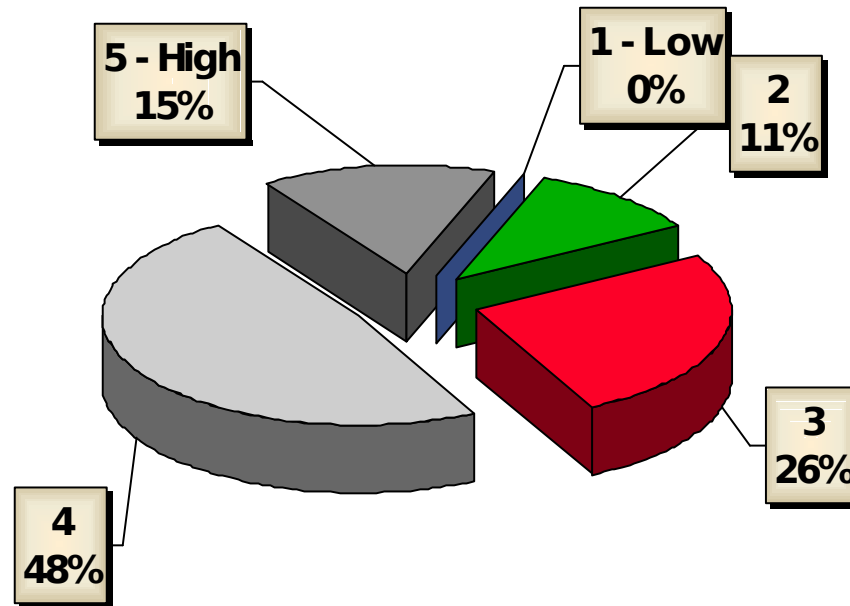
**It is easy to learn to use AIM.**



***89% percent of the Command respondents believe that AIM is easy to use.***

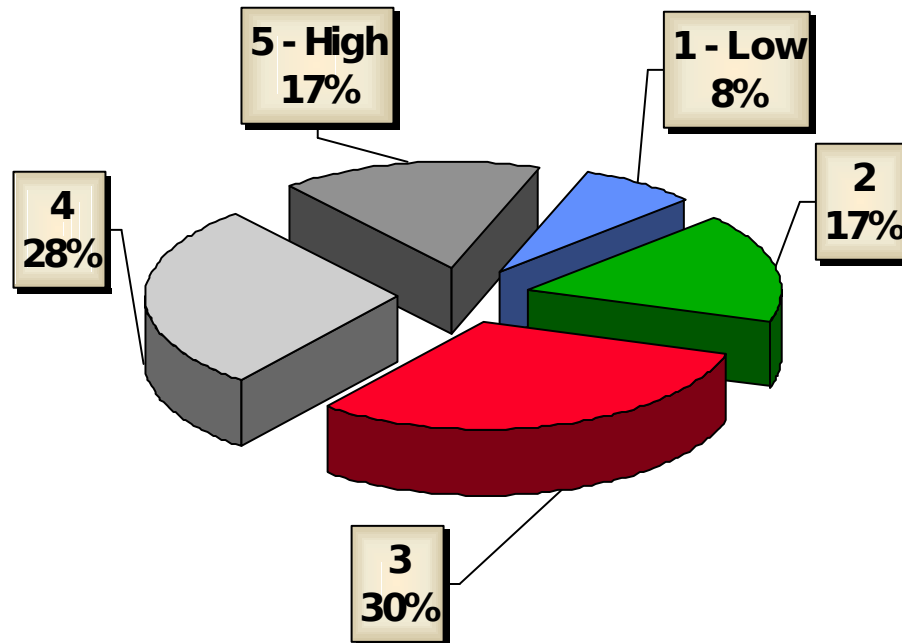
***The Users' responses were 75% in agreement, and Contractor respondents 95%.***

**AIM is easy to use.**



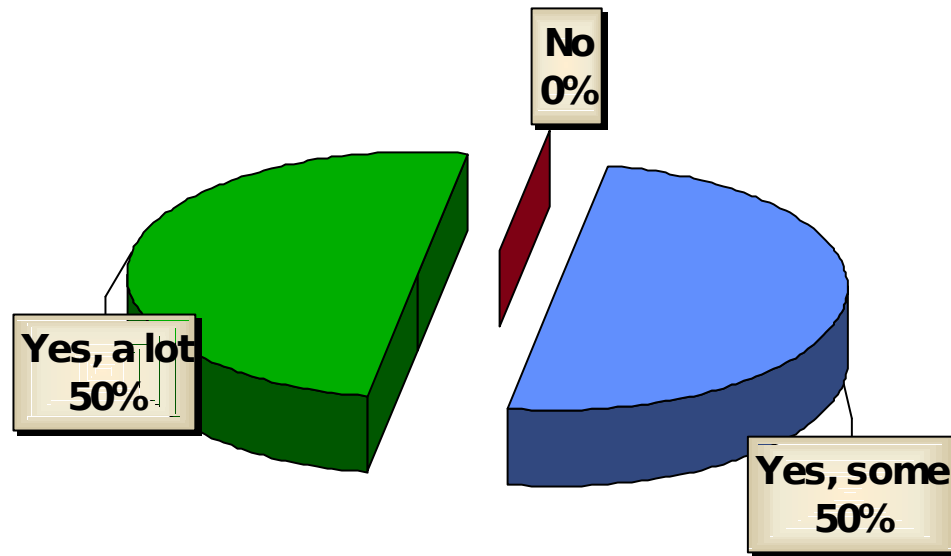
***75% percent of the Users agreed that AIM has helped to increase their productivity.***

**AIM has helped increase my productivity.**



***100% of the Command respondents stated that AIM has improved the efficiency of the instructional developers.***

**Has using AIM improved the efficiency of your instructional developers?**

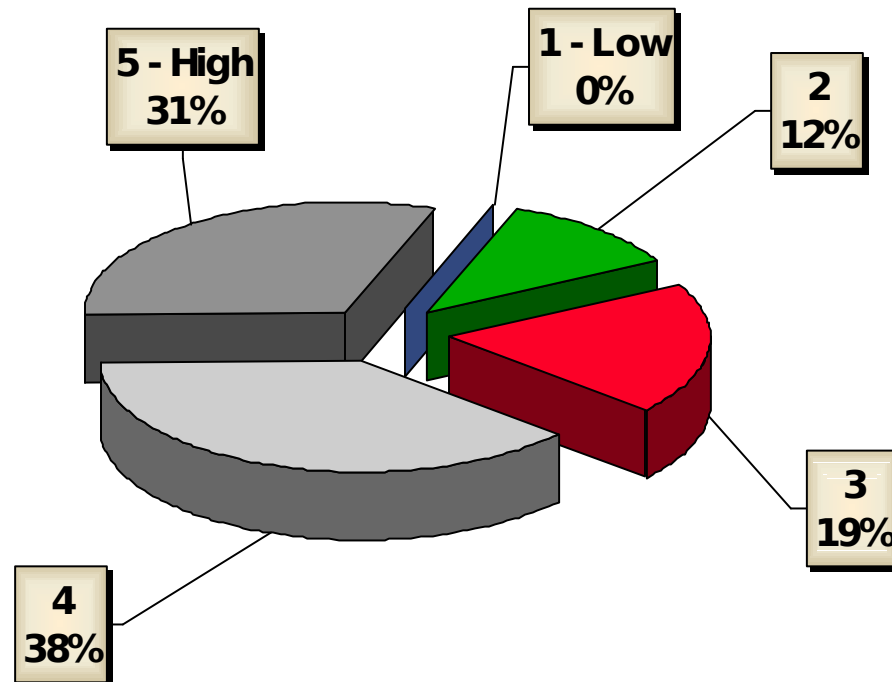


***88% of the Command respondents state that AIM saves time.***

***82% percent of the Users and***

***95% of the Contractors have reported the same response.***

**Using AIM saves time**

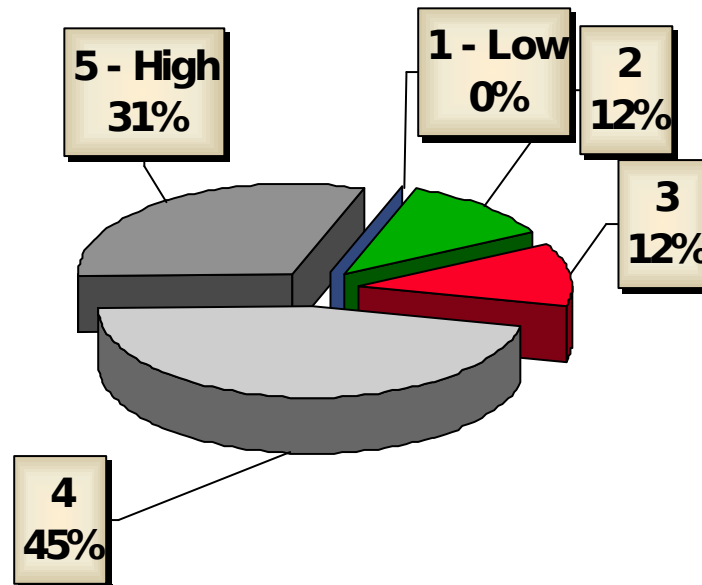


***88% of the Command respondents state that the use of AIM improves the quality of the training materials.***

***78% percent of the User and***

***90% of the Contractor respondents agreed with that statement.***

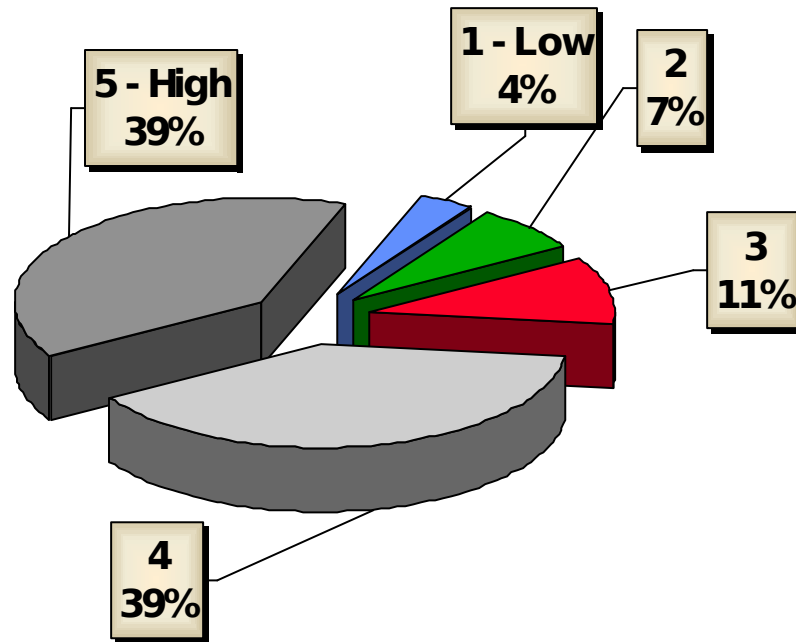
**The use of AIM helps improve the quality of training materials.**



***89% of the Command respondents said that AIM is valuable to their activities. 39% rated the statement “high”.***

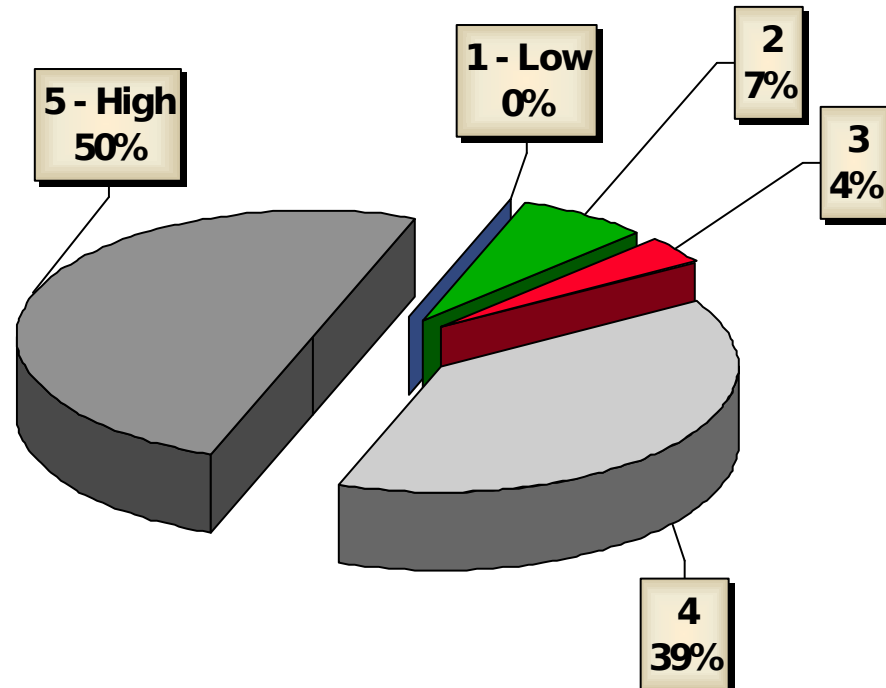
***90% of the Contractor respondents agreed, with 35% rating the statement “high”***

**AIM is valuable to this activity.**



***93% of the Command respondents stated that they would recommend AIM to other activities.***

**I would recommend AIM to other activities.**







# ***AIM PROGRAM POINTS OF CONTACT***

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- **ETE PROGRAM MANAGER**
  - comm (407) 380-8424, DSN 960-8424
- **AIM PROJECT MANAGER**
  - comm (407) 381-8607, DSN 960-8607
- **ETE HELP DESK**
  - comm (407) 381-8620
  - email: [ETEHELPDESK@navair.navy.mil](mailto:ETEHELPDESK@navair.navy.mil)